

Character Generators³

Organization	Part Number	Access Time (ns max)	No. of Pins
128 x (17 x 9)	MC16670P	350	18
128 x (17 x 9)	MC16674P	350	18
128 x (9 x 7)	MC16670P	350	24
128 x (9 x 7)	MC16671P	350	24
128 x (9 x 7)	MC16674P	350	24
128 x (9 x 7)	MC16672P	350	24
128 x (9 x 7)	MC16673P	350	24
128 x (9 x 7)	MC16675P	350	24
128 x (9 x 7)	MC16676P	350	24
128 x (9 x 7)	MC16677P	350	24
128 x (9 x 7)	MC16678P	350	24
128 x (9 x 7)	MC16679P	350	24

Binary ROMs (+5 Volts)

Organization	Part Number	Access Time (ns max)	No. of Pins
1024 x 8	MC166A306P	350	24
1024 x 8	MC166A306P7	350	24
1024 x 8	MC166B306P	250	24
2048 x 8	MC166A316AP	350	24
2048 x 8	MC166A316EP	350	24
2048 x 8	MC166A316P91	350	24
4096 x 8	MC166A322P	350	24
4096 x 8	MC166A322P2	350	24
8192 x 8	MC166A364P	350	24
8192 x 8	MC166A364P3	350	24
8192 x 8	MC166B364P	250	24
8192 x 8	MC166B36P25	250	24
8192 x 8	MC166B36P35	350	24
8192 x 8	MC166B36P75	250	24
8192 x 8	MC166B36P75	350	24

CMOS ROMs (+5 Volts)

Organization	Part Number	Access Time (ns max)	No. of Pins
256 x 4	MC14624	1200	16
2048 x 8	MC16651BC43	430	18
2048 x 8	MC16651BC05	550	18

Not all package options are listed.

Operating temperature ranges

MOS — 0°C to 70°C

CMOS — 0°C to 70°C

ECL — Consult individual data sheets

TTL — Military — 55°C to +125°C, Commercial 0°C to 70°C

³Character generators include shifted and unshifted characters, ASCII, alphanumeric control, math, Japanese, British, German, European and French symbols.

Organization	Part Number	Access Time (ns max)	Output	No. of Pins
32 x 8	MC101039	20	ECL output	16
256 x 4	MC101049	25	ECL output	16

TTL PROMs

Organization	Part Number	Access Time (ns max)	Output	No. of Pins
1024 x 8	MC1M7680	70	Open Collector	24
1024 x 8	MC1M7681	70	3-State	24
2048 x 4	MC1M7684	70	Open Collector	18
2048 x 4	MC1M7685	70	3-State	18
2048 x 4	MC1M7686	70	Open Collector with Latches	20
2048 x 4	MC1M7687	70	3-State with Latches	20
2048 x 4	MC1M7688	—	Open Collector with Registers	20
2048 x 4	MC1M7689	—	3-State with Registers	20
1K x 8	MC1M76L581	175	3-State	24
1K x 8	MC1M62706	70	3-State	24

MOTOROLA MEMORIES

Motorola has developed a very broad range of reliable MOS and bipolar memories for virtually any digital data processing system application. And for those whose requirements go beyond individual components, Motorola also supplies Memory Systems and Micromodules.

New Motorola memories are being introduced continually. **This selector guide lists all those available as of October 1980.** For later releases, additional technical information or pricing, contact your nearest authorized Motorola distributor or Motorola sales office.

Data sheets may be obtained from your in-plant VSMF Data Center, distributors, Motorola sales offices or by writing to:

Literature Distribution Center

Motorola Semiconductor Products Inc.

P.O. Box 20912

Phoenix, AZ 85036.

MOTOROLA MEMORIES Selector Guide

RAMs ROMs PROMs EPROMs EEPROM

October 1980



MOTOROLA

RAMS

MOS DYNAMIC RAMS

Organization	Part Number	Access Time (ns max)	Power Supplies	No. of Pins
4096 x 1	MC14027-AC-2	150	+12, ± 5 V	16
4096 x 1	MC14027-AC-3	200	+12, ± 5 V	16
4096 x 1	MC14027-AC-4	250	+12, ± 5 V	16
16384 x 1	MC14116B-C15	150	+12, ± 5 V	16
16384 x 1	MC14116B-C20	200	+12, ± 5 V	16
16384 x 1	MC14116B-C25	250	+12, ± 5 V	16
16384 x 1	MC14116B-C30	300	+12, ± 5 V	16
16384 x 1	MC14516C-12*	120	+5 V	16
16384 x 1	MC14516C-15*	150	+5 V	16
16384 x 1	MC14516C-20*	200	+5 V	16
16384 x 1	MC14517C-12	120	+5 V	16
16384 x 1	MC14517C-15	150	+5 V	16
16384 x 1	MC14517C-20	200	+5 V	16
32768 x 1	MC14132L-15	150	+12, ± 5 V	18
32768 x 1	MC14132L-20	200	+12, ± 5 V	18
32768 x 1	MC14132L-25	250	+12, ± 5 V	18
32768 x 1	MC14132L-30	300	+12, ± 5 V	18
32768 x 1	MC14632L-15*	150	+5 V	16
32768 x 1	MC14632L-20*	200	+5 V	16
32768 x 1	MC14632L-25*	250	+5 V	16
32768 x 1	MC14632L-30*	300	+5 V	16
32768 x 1	MC14633L-15	150	+5 V	16
32768 x 1	MC14633L-20	200	+5 V	16
32768 x 1	MC14633L-25	250	+5 V	16
65536 x 1	MC14664L-15*	150	+5 V	16
65536 x 1	MC14664L-20*	200	+5 V	16
65536 x 1	MC14664L-25*	250	+5 V	16
65536 x 1	MC14664L-30*	300	+5 V	16
65536 x 1	MC14665L-15	150	+5 V	16
65536 x 1	MC14665L-20	200	+5 V	16
65536 x 1	MC14665L-25	250	+5 V	16

TTL BIPOlar RAMS

Organization	Part Number	Access Time (ns max)	Output	No. of Pins
256 x 4	MC10934L12	45	Open Collector 3 State	22
256 x 4	MC10934L22	45	3 State	22
1024 x 1	MC10934L15	45	Open Collector 3 State	16
1024 x 1	MC10934L25	45	3 State	16

*To be introduced

†Motorola's innovative pin #1 refresh

‡All MOS memory outputs are three-state except the open collector MC142115A series.

MOS STATIC RAMS (+5 Volts)

Organization	Part Number	Access Time (ns max)	No. of Pins
128 x 8	MC16810	450	24
128 x 8	MC1681A10	390	24
128 x 8	MC1681B10	250	24
1024 x 4	MC12114P20	200	18
1024 x 4	MC12114P25	250	18
1024 x 4	MC12114P30	300	18
1024 x 4	MC12114P35	350	18
1024 x 4	MC12114P40	400	18
1024 x 4	MC12114P45	450	18
1024 x 4	MC12114P50	500	18
1024 x 4	MC12114P55	550	18
1024 x 4	MC12114P60	600	18
1024 x 1	MC12115A-C65*	45	16
1024 x 1	MC12115A-C70*	50	16
1024 x 1	MC12115A-C75*	55	16
1024 x 1	MC12115A-C80*	60	16
1024 x 1	MC12115A-C85*	65	16
1024 x 1	MC12115A-C90*	70	16
1024 x 1	MC12115A-C95*	75	16
1024 x 1	MC12115A-C100*	80	16
1024 x 1	MC12115A-C105*	85	16
1024 x 1	MC12115A-C110*	90	16
1024 x 1	MC12115A-C115*	95	16
1024 x 1	MC12115A-C120*	100	16
1024 x 1	MC12115A-C125*	105	16
1024 x 1	MC12115A-C130*	110	16
1024 x 1	MC12115A-C135*	115	16
1024 x 1	MC12115A-C140*	120	16
1024 x 1	MC12115A-C145*	125	16
1024 x 1	MC12115A-C150*	130	16
1024 x 1	MC12115A-C155*	135	16
1024 x 1	MC12115A-C160*	140	16
1024 x 1	MC12115A-C165*	145	16
1024 x 1	MC12115A-C170*	150	16
1024 x 1	MC12115A-C175*	155	16
1024 x 1	MC12115A-C180*	160	16
1024 x 1	MC12115A-C185*	165	16
1024 x 1	MC12115A-C190*	170	16
1024 x 1	MC12115A-C195*	175	16
1024 x 1	MC12115A-C200*	180	16
1024 x 1	MC12115A-C205*	185	16
1024 x 1	MC12115A-C210*	190	16
1024 x 1	MC12115A-C215*	195	16
1024 x 1	MC12115A-C220*	200	16
1024 x 1	MC12115A-C225*	205	16
1024 x 1	MC12115A-C230*	210	16
1024 x 1	MC12115A-C235*	215	16
1024 x 1	MC12115A-C240*	220	16
1024 x 1	MC12115A-C245*	225	16
1024 x 1	MC12115A-C250*	230	16
1024 x 1	MC12115A-C255*	235	16
1024 x 1	MC12115A-C260*	240	16
1024 x 1	MC12115A-C265*	245	16
1024 x 1	MC12115A-C270*	250	16
1024 x 1	MC12115A-C275*	255	16
1024 x 1	MC12115A-C280*	260	16
1024 x 1	MC12115A-C285*	265	16
1024 x 1	MC12115A-C290*	270	16
1024 x 1	MC12115A-C295*	275	16
1024 x 1	MC12115A-C300*	280	16
1024 x 1	MC12115A-C305*	285	16
1024 x 1	MC12115A-C310*	290	16
1024 x 1	MC12115A-C315*	295	16
1024 x 1	MC12115A-C320*	300	16
1024 x 1	MC12115A-C325*	305	16
1024 x 1	MC12115A-C330*	310	16
1024 x 1	MC12115A-C335*	315	16
1024 x 1	MC12115A-C340*	320	16
1024 x 1	MC12115A-C345*	325	16
1024 x 1	MC12115A-C350*	330	16
1024 x 1	MC12115A-C355*	335	16
1024 x 1	MC12115A-C360*	340	16
1024 x 1	MC12115A-C365*	345	16
1024 x 1	MC12115A-C370*	350	16
1024 x 1	MC12115A-C375*	355	16
1024 x 1	MC12115A-C380*	360	16
1024 x 1	MC12115A-C385*	365	16
1024 x 1	MC12115A-C390*	370	16
1024 x 1	MC12115A-C395*	375	16
1024 x 1	MC12115A-C400*	380	16
1024 x 1	MC12115A-C405*	385	16
1024 x 1	MC12115A-C410*	390	16
1024 x 1	MC12115A-C415*	395	16
1024 x 1	MC12115A-C420*	400	16
1024 x 1	MC12115A-C425*	405	16
1024 x 1	MC12115A-C430*	410	16
1024 x 1	MC12115A-C435*	415	16
1024 x 1	MC12115A-C440*	420	16
1024 x 1	MC12115A-C445*	425	16
1024 x 1	MC12115A-C450*	430	16
1024 x 1	MC12115A-C455*	435	16
1024 x 1	MC12115A-C460*	440	16
1024 x 1	MC12115A-C465*	445	16
1024 x 1	MC12115A-C470*	450	16
1024 x 1	MC12115A-C475*	455	16
1024 x 1	MC12115A-C480*	460	16
1024 x 1	MC12115A-C485*	465	16
1024 x 1	MC12115A-C490*	470	16
1024 x 1	MC12115A-C495*	475	16
1024 x 1	MC12115A-C500*	480	16
1024 x 1	MC12115A-C505*	485	16
1024 x 1	MC12115A-C510*	490	16
1024 x 1	MC12115A-C515*	495	16
1024 x 1	MC12115A-C520*	500	16
1024 x 1	MC12115A-C525*	505	16
1024 x 1	MC12115A-C530*	510	16
1024 x 1	MC12115A-C535*	515	16
1024 x 1	MC12115A-C540*	520	16
1024 x 1	MC12115A-C545*	525	16
1024 x 1	MC12115A-C550*	530	16
1024 x 1	MC12115A-C555*	535	16
1024 x 1	MC12115A-C560*	540	16
1024 x 1	MC12115A-C565*	545	16
1024 x 1	MC12115A-C570*	550	16
1024 x 1	MC12115A-C575*	555	16
1024 x 1	MC12115A-C580*	560	16
1024 x 1	MC12115A-C585*	565	16
1024 x 1	MC12115A-C590*	570	16
1024 x 1	MC12115A-C595*	575	16
1024 x 1	MC12115A-C600*	580	16
1024 x 1	MC12115A-C605*	585	16
1024 x 1	MC12115A-C610*	590	16
1024 x 1	MC12115A-C615*	595	16
1024 x 1	MC12115A-C620*	600	16
1024 x 1	MC12115A-C625*	605	16
1024 x 1	MC12115A-C630*	610	16
1024 x 1	MC12115A-C635*	615	16
1024 x 1	MC12115A-C640*	620	16
1024 x 1	MC12115A-C645*	625	16
1024 x 1	MC12115A-C650*	630	16
1024 x 1	MC12115A-C655*	635	16
1024 x 1	MC12115A-C660*	640	16
1024 x 1	MC12115A-C665*	645	16
1024 x 1	MC12115A-C670*	650	16
1024 x 1	MC12115A-C675*	655	16
1024 x 1	MC12115A-C680*	660	16
1024 x 1	MC12115A-C685*	665	16
1024 x 1	MC12115A-C690*	670	16
1024 x 1	MC12115A-C695*	675	16
1024 x 1	MC12115A-C700*	680	16
1024 x 1	MC12115A-C705*	685	16
1024 x 1	MC12115A-C710*	690	16
1024 x 1	MC12115A-C715*	695	16
1024 x 1	MC12115A-C720*	700	16
1024 x 1	MC12115A-C725*	705	16
1024 x 1	MC12115A-C730*	710	16
1024 x 1	MC12115A-C735*	715	16
1024 x 1	MC12115A-C740*	720	16
1024 x 1	MC12115A-C745*	725	16
1024 x 1	MC12115A-C750*	730	16
1024 x 1	MC12115A-C755*	735	16
1024 x 1	MC12115A-C760*	740	16
1024 x 1	MC12115A-C765*	745	16
1024 x 1	MC12115A-C770*	750	16
1024 x 1	MC12115A-C775*	755	16
1024 x 1	MC12115A-C780*	760	16
1024 x 1	MC12115A-C785*	765	16
1024 x 1	MC12115A-C790*	770	16
1024 x 1	MC12115A-C795*	775	16
1024 x 1	MC12115A-C800*	780	16
1024 x 1	MC12115A-C805*	785	16
1024 x 1	MC12115A-C810*	790	16
1024 x 1	MC12115A-C815*	795	16
1024 x 1	MC12115A-C820*	800	16
1024 x 1	MC12115A-C825*	805	16
1024 x 1	MC12115A-C830*	810	16
1024 x 1	MC12115A-C835*	815	16
1024 x 1	MC12115A-C840*	820	16
1024 x 1	MC12115A-C845*	825	16
1024 x 1	MC12115A-C850*	830	16
1024 x 1	MC12115A-C855*	835	16
1024 x 1	MC12115A-C860*	840	16
1024 x 1	MC12115A-C865*	845	16
1024 x 1	MC12115A-C870*	850	16
1024 x 1	MC12115A-C875*	855	16
1024 x 1	MC12115A-C880*	860	16
1024 x 1	MC12115A-C885*	865	16
1024 x 1	MC12115A-C890*	870	16
1024 x 1	MC12115A-C895*	875	16
1024 x 1	MC12115A-C900*	880	16
1024 x 1	MC12115A-C905*	885	16
1024 x 1	MC12115A-C910*	890	16
1024 x 1	MC12115A-C915*	895	16
1024 x 1	MC12115A-C920*	900	16
1024 x 1	MC12115A-C925*	905	16
1024 x 1	MC12115A-C930*	910	16
1024 x 1	MC12115A-C935*	915	16
1024 x 1	MC12115A-C940*	920	16
1024 x 1	MC12115A-C945*	925	16
1024 x 1	MC12115A-C950*	930	16
1024 x 1	MC12115A-C955*	935	16
1024 x 1	MC12115A-C960*	940	16
1024 x 1	MC12115A-C965*	945	16
1024 x 1	MC12115A-C970*	950	16
1024 x 1	MC12115A-C975*	955	16
1024 x 1	MC12115A-C980*	960	16
1024 x 1	MC12115A-C985*	965	16
1024 x 1	MC12115A-C990*	970	16
1024 x 1	MC12115A-C995*	975	16
1024 x 1	MC12115A-C1000		